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Cover picture: Comparison of primary cilium length between nonshaken (*top left*) and shaken (*top right*) monolayers of mouse cortical collecting duct cells. Top figures show en-face images of cells stained with an antibody for acetylated α -tubulin (*green*) and counterstained with wheat germ agglutinin for apical surface glycoproteins (*red*) and DAPI for nucleic acids (*blue*). The primary cilia (indicated by *arrows*) are clearly visible. Shaking the cultures applied a force to each cilia of ~ 5 fN, slightly above thermal excitation. Bottom figure is an x-z slice of the nonshaken dataset, showing primary cilia lying against the apical surface. Images have been deconvolved. Scale bar is 5 μm . See the article by Resnick and Hopfer on page 1380.